

WHAT IS CLAIMED IS:

1           1.       A computer-implemented method of using a paper document to  
2 retrieve multimedia information stored in a multimedia document in electronic form, wherein  
3 one or more user-selectable identifiers are printed on the paper document, the method  
4 comprising:

5               receiving a first signal indicating selection of a first user-selectable identifier  
6 from the one or more user-selectable identifiers printed on the paper document;

7               responsive to receiving the first signal, identifying a portion of multimedia  
8 information stored by the multimedia document corresponding to the first user-selectable  
9 identifier; and

10              outputting the portion of the multimedia information corresponding to the first  
user-selectable identifier using an output device.

11           2.       The method of claim 1 wherein the first signal comprises information  
12 identifying the output device.

13           3.       The method of claim 1 wherein:  
14               the first signal comprises information indicating a playback mode for  
15 outputting the portion of the multimedia information corresponding to the first user-selectable  
16 identifier; and

17               outputting the portion of the multimedia information using the output device  
18 comprises outputting the information according to the playback mode.

19           4.       The method of claim 1 wherein the one or more user-selectable  
20 identifiers include one or more barcodes printed on the paper document.

21           5.       The method of claim 1 wherein identifying the portion of multimedia  
22 information stored by the multimedia document corresponding to the first user-selectable  
23 identifier comprises:

24               determining a first time and a second time corresponding to the first user-  
25 selectable identifier; and

26               including a portion of the multimedia information stored by the multimedia  
27 document occurring between the first time and the second time in the portion of multimedia  
28 information corresponding to the first user-selectable identifier.

1           6.     The method of claim 1 wherein identifying the portion of multimedia  
2 information stored by the multimedia document corresponding to the first user-selectable  
3 identifier comprises:

4                 determining a first time corresponding to the first user-selectable identifier;  
5 and

6                 including a portion of the multimedia information stored by the multimedia  
7 document occurring from the first time in the portion of multimedia information  
8 corresponding to the first user-selectable identifier.

1           7.     The method of claim 1 wherein one or more control codes are printed  
2 on the paper document, the method further comprising:

3                 receiving a second signal indicating selection of a first control code from the  
4 one or more control codes printed on the paper document; and

5                 responsive to receiving the second signal, controlling the output of the portion  
6 of the multimedia information corresponding to the first user-selectable identifier based upon  
7 the control code.

1           8.     A method of using a paper document to access multimedia information  
2 stored in a multimedia document in electronic form, wherein one or more user-selectable  
3 identifiers are printed on the paper document, the method comprising:

4                 selecting a first user-selectable identifier from the one or more user-selectable  
5 identifiers printed on the paper document;

6                 requesting multimedia information corresponding to the first user-selectable  
7 identifier; and

8                 outputting a portion of the multimedia information stored by the multimedia  
9 document corresponding to the first user-selectable identifier using an output device.

1           9.     The method of claim 8 wherein:  
2                 the one or more user-selectable identifiers correspond to one or more barcodes  
3 printed on the paper document; and

4                 selecting the first user-selectable identifier comprises scanning a first barcode  
5 from the one or more barcodes printed on the paper document using a selection device.

1           10.    The method of claim 8 wherein:

the first user-selectable identifier is associated with a first time and a second time; and  
outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises outputting a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time.

11. The method of claim 8 wherein:  
the first user-selectable identifier is associated with a first time; and  
outputting the portion of the multimedia information corresponding to the first user-selectable identifier using the output device comprises outputting a portion of the multimedia information stored by the multimedia document occurring from the first time.

12. The method of claim 8 wherein one or more control codes are printed on the paper document, the method further comprising:  
selecting a first control code from the one or more control codes printed on the paper document; and  
modifying the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

13. A computer-implemented method of using a paper document to retrieve multimedia information stored electronically in a multimedia document, wherein a first plurality of user-selectable identifiers are printed on the paper document, the method comprising:  
receiving a signal indicating selection of a second plurality of user-selectable identifiers from the first plurality of user-selectable identifiers printed on the paper document, wherein the second plurality of user-selectable identifiers is a subset of the first plurality of user-selectable identifiers;  
responsive to receiving the first signal, identifying portions of multimedia information stored by the multimedia document corresponding to the second plurality of user-selectable identifiers; and  
outputting the portions of the multimedia information corresponding to the second plurality of user-selectable identifiers using an output device.

1                   14.    The method of claim 13 wherein identifying portions of multimedia  
2 information stored by the multimedia document corresponding to the second plurality of user-  
3 selectable identifiers comprises:

4                   for each user-selectable identifier in the second plurality of user-selectable  
5 identifiers:

6                   determining a first time and a second time corresponding to the user-  
7 selectable identifier; and

8                   including multimedia information stored by the multimedia document  
9 occurring between the first time and the second time corresponding to the user-selectable  
10 identifier in the portions of multimedia information corresponding to the second plurality of  
11 user-selectable identifiers.

12                   15.    A computer-implemented method of retrieving multimedia information  
13 using a first paper document and a second paper document, wherein one or more user-  
14 selectable identifiers are printed on the first paper document and one or more user-selectable  
15 identifiers are printed on the second paper document, the method comprising:

16                   receiving a signal indicating selection of a first user-selectable identifier from  
17 the one or more user-selectable identifiers printed on the first paper document, and indicating  
18 selection of a second user-selectable identifier from the one or more user-selectable  
19 identifiers printed on the second paper document;

20                   identifying a portion of multimedia information corresponding to the first  
21 user-selectable identifier from multimedia information stored by a first multimedia document;

22                   identifying a portion of multimedia information corresponding to the second  
23 user-selectable identifier from multimedia information stored by a second multimedia  
24 document; and

25                   outputting the portion of multimedia information stored by the first  
26 multimedia document corresponding to the first user-selectable identifier and the portion of  
27 multimedia information stored by the second multimedia document corresponding to the  
28 second user-selectable identifier using an output device.

29                   16.    The method of claim 15 wherein:

30                   identifying the portion of multimedia information corresponding to the first  
31 user-selectable identifier from multimedia information stored by the first multimedia  
32 document comprises:

determining a first time and a second time associated with the first user-selectable identifier; and  
including a portion of multimedia information stored by the first multimedia document occurring between the first time and the second time associated with the first user-selectable identifier in the portion of multimedia information corresponding to the first user-selectable identifier; and  
identifying the portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by the second multimedia document comprises:  
determining a first time and a second time associated with the second user-selectable identifier; and  
including a portion of multimedia information stored by the second multimedia document occurring between the first time and the second time associated with the second user-selectable identifier in the portion of multimedia information corresponding to the second user-selectable identifier.

17. A system for using a paper document to retrieve multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the system comprising:  
an output device; and  
a data processor;  
wherein the data processor is configured to:  
receive a first signal indicating selection of a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;  
identify a portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier; and  
communicate the portion of the multimedia information corresponding to the first user-selectable identifier to the output device; and  
wherein the output device is configured to output the portion of the multimedia information corresponding to the first user-selectable identifier received from the data processor.

18. The system of claim 17 wherein the first signal comprises information identifying the output device.

1           19.     The system of claim 17 wherein:  
2           the first signal comprises information indicating a playback mode for  
3     outputting the portion of the multimedia information corresponding to the first user-selectable  
4     identifier; and  
5           the output device is configured to output the portion of the multimedia  
6     information according to the playback mode.

1           20.     The system of claim 17 wherein the one or more user-selectable  
2     identifiers includes barcodes printed on the paper document.

1           21.     The system of claim 17 wherein in order to identify the portion of  
2     multimedia information stored by the multimedia document corresponding to the first user-  
3     selectable identifier, the data processor is configured to:  
4           determine a first time and a second time corresponding to the first user-  
5     selectable identifier; and  
6           include a portion of the multimedia information stored by the multimedia  
7     document occurring between the first time and the second time in the portion of multimedia  
8     information corresponding to the first user-selectable identifier.

1           22.     The system of claim 17 wherein in order to identify the portion of  
2     multimedia information stored by the multimedia document corresponding to the first user-  
3     selectable identifier, the data processor is configured to:  
4           determine a first time corresponding to the first user-selectable identifier; and  
5           include a portion of the multimedia information stored by the multimedia  
6     document occurring from the first time in the portion of multimedia information  
7     corresponding to the first user-selectable identifier.

1           23.     The system of claim 17 wherein one or more control codes are printed  
2     on the paper document, and the data processor is configured to:  
3           receive a second signal indicating selection of a first control code from the one  
4     or more control codes printed on the paper document; and  
5           control the output of the portion of the multimedia information corresponding  
6     to the first user-selectable identifier based upon the control code.

1           24.     A system for using a paper document to access multimedia information  
2 stored in a multimedia document in electronic form, wherein one or more user-selectable  
3 identifiers are printed on the paper document, the system comprising:  
4           a processor; and  
5           a memory coupled to the processor, the memory configured to store a plurality  
6 of code modules for execution by the processor, the plurality of code modules comprising:  
7           a code module for selecting a first user-selectable identifier from the  
8 one or more user-selectable identifiers printed on the paper document;  
9           a code module for requesting multimedia information corresponding to  
10 the first user-selectable identifier; and  
11           a code module for outputting a portion of the multimedia information  
12 stored by the multimedia document corresponding to the first user-selectable identifier using  
13 an output device.

14           25.     The system of claim 24 wherein:  
15           the one or more user-selectable identifiers correspond to one or more barcodes  
16 printed on the paper document; and  
17           the code module for selecting the first user-selectable identifier comprises a  
18 code module for scanning a first barcode from the one or more barcodes printed on the paper  
19 document using a selection device.

20           26.     The system of claim 24 wherein:  
21           the first user-selectable identifier is associated with a first time and a second  
22 time; and  
23           the code module for outputting the portion of the multimedia information  
24 corresponding to the first user-selectable identifier using the output device comprises a code  
25 module for outputting a portion of the multimedia information stored by the multimedia  
26 document occurring between the first time and the second time.

27           27.     The system of claim 24 wherein:  
28           the first user-selectable identifier is associated with a first time; and  
29           the code module for outputting the portion of the multimedia information  
30 corresponding to the first user-selectable identifier using the output device comprises a code

5 module for outputting a portion of the multimedia information stored by the multimedia  
6 document occurring from the first time.

1 28. The system of claim 24 wherein one or more control codes are printed  
2 on the paper document, the plurality of code modules further comprising:

3 a code module for selecting a first control code from the one or more control  
4 codes printed on the paper document; and

5 a code module for modifying the output of the portion of the multimedia  
6 information corresponding to the first user-selectable identifier based upon the control code.

1 29. A system for using a paper document to retrieve multimedia  
2 information stored electronically in a multimedia document, wherein a first plurality of user-  
3 selectable identifiers are printed on the paper document, the system comprising:

4 an output device; and

5 a data processor;

6 wherein the data processor is configured to:

7 receive a signal indicating selection of a second plurality of user-  
8 selectable identifiers from the first plurality of user-selectable identifiers printed on the paper  
9 document, wherein the second plurality of user-selectable identifiers is a subset of the first  
10 plurality of user-selectable identifiers;

11 identify portions of multimedia information stored by the multimedia  
12 document corresponding to the second plurality of user-selectable identifiers; and

13 communicate the portions of the multimedia information of the  
14 multimedia document corresponding to the second plurality of user-selectable identifiers to  
15 the output device; and

16 wherein the output device is configured to output the portions of the  
17 multimedia information corresponding to the second plurality of user-selectable identifiers  
18 received from the data processor.

1 30. The system of claim 29 wherein in order to identify portions of  
2 multimedia information stored by the multimedia document corresponding to the second  
3 plurality of user-selectable identifiers, the data processor is configured to:

4 for each user-selectable identifier in the second plurality of user-selectable  
5 identifiers:

6                   determine a first time and a second time corresponding to the user-  
7   selectable identifier; and  
8                   include multimedia information stored by the multimedia document  
9   occurring between the first time and the second time corresponding to the user-selectable  
10   identifier in the portions of multimedia information corresponding to the second plurality of  
11   user-selectable identifiers.

1           31.    A system for retrieving multimedia information using a first paper  
2   document and a second paper document, wherein one or more user-selectable identifiers are  
3   printed on the first paper document and one or more user-selectable identifiers are printed on  
4   the second paper document, the system comprising:  
5           an output device; and  
6           a data processor;  
7           wherein the data processor is configured to:  
8                receive a signal indicating selection of a first user-selectable identifier  
9           from the one or more user-selectable identifiers printed on the first paper document, and  
10          indicating selection of a second user-selectable identifier from the one or more user-  
11          selectable identifiers printed on the second paper document;  
12                identify a portion of multimedia information corresponding to the first  
13          user-selectable identifier from multimedia information stored by a first multimedia document;  
14                identify a portion of multimedia information corresponding to the  
15          second user-selectable identifier from multimedia information stored by a second multimedia  
16          document; and  
17                communicate the portion of multimedia information stored by the first  
18          multimedia document corresponding to the first user-selectable identifier and the portion of  
19          multimedia information stored by the second multimedia document corresponding to the first  
20          user-selectable identifier to the output device; and  
21                wherein the output device is configured to output the portion of multimedia  
22          information corresponding to the first user-selectable identifier and the portion of multimedia  
23          information corresponding to the second user-selectable identifier received from the data  
24          processor.

1           32.    The system of claim 31 wherein:

the data processor identifies the portion of multimedia information corresponding to the first user-selectable identifier from multimedia information stored by the first multimedia document by:

determining a first time and a second time associated with the first user-selectable identifier; and

including a portion of multimedia information stored by the first multimedia document occurring between the first time and the second time associated with the first user-selectable identifier in the portion of multimedia information corresponding to the first user-selectable identifier; and

the data processor identifies the portion of multimedia information corresponding to the second user-selectable identifier from multimedia information stored by the second multimedia document by:

determining a first time and a second time associated with the second user-selectable identifier; and

including a portion of multimedia information stored by the second multimedia document occurring between the first time and the second time associated with the second user-selectable identifier in the portion of multimedia information corresponding to the second user-selectable identifier.

33. A computer program product stored on a computer-readable storage medium for using a paper document to retrieve multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the computer program product comprising:

- code for receiving a first signal indicating selection of a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;
- code for identifying a portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier; and
- code for outputting the portion of the multimedia information using an output device.

34. The computer program product of claim 33 wherein the code for identifying the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier comprises:

code for determining a first time and a second time corresponding to the first user-selectable identifier; and  
code for including a portion of the multimedia information stored by the multimedia document occurring between the first time and the second time in the portion of multimedia information corresponding to the first user-selectable identifier.

35. The computer program product of claim 33 wherein the code for identifying the portion of multimedia information stored by the multimedia document corresponding to the first user-selectable identifier comprises:

code for determining a first time corresponding to the first user-selectable identifier; and  
code for including a portion of the multimedia information stored by the multimedia document occurring from the first time in the portion of multimedia information corresponding to the first user-selectable identifier.

36. The computer program product of claim 33 wherein one or more control codes are printed on the paper document, the computer program product further comprising:

code for receiving a second signal indicating selection of a first control code from the one or more control codes printed on the paper document; and  
code for controlling the output of the portion of the multimedia information corresponding to the first user-selectable identifier based upon the control code.

37. A computer program product stored on a computer-readable storage medium for using a paper document to access multimedia information stored in a multimedia document in electronic form, wherein one or more user-selectable identifiers are printed on the paper document, the computer program product comprising:

code for selecting a first user-selectable identifier from the one or more user-selectable identifiers printed on the paper document;  
code for requesting multimedia information corresponding to the first user-selectable identifier; and  
code for outputting a portion of the multimedia information stored by the multimedia document corresponding to the first user-selectable identifier using an output device.

1                    38.     The computer program product of claim 37 wherein:  
2                    the one or more user-selectable identifiers correspond to one or more barcodes  
3 printed on the paper document; and  
4                    the code for selecting the first user-selectable identifier comprises code for  
5 scanning a first barcode from the one or more barcodes printed on the paper document using  
6 a selection device.

1                    39.     The computer program product of claim 37 wherein:  
2                    the first user-selectable identifier is associated with a first time and a second  
3 time; and  
4                    the code for outputting the portion of the multimedia information  
5 corresponding to the first user-selectable identifier using the output device comprises code for  
6 outputting a portion of the multimedia information stored by the multimedia document  
7 occurring between the first time and the second time.

1                    40.     The computer program product of claim 37 wherein:  
2                    the first user-selectable identifier is associated with a first time; and  
3                    the code for outputting the portion of the multimedia information  
4 corresponding to the first user-selectable identifier using the output device comprises code for  
5 outputting a portion of the multimedia information stored by the multimedia document  
6 occurring from the first time.

1                    41.     The computer program product of claim 37 wherein one or more  
2 control codes are printed on the paper document, the computer program product further  
3 comprising:  
4                    code for selecting a first control code from the one or more control codes  
5 printed on the paper document; and  
6                    code for modifying the output of the portion of the multimedia information  
7 corresponding to the first user-selectable identifier based upon the control code.

1                    42.     A computer program product stored on a computer-readable storage  
2 medium for using a paper document to retrieve multimedia information stored electronically  
3 in a multimedia document, wherein a first plurality of user-selectable identifiers are printed  
4 on the paper document, the computer program product comprising:

5                   code for receiving a signal indicating selection of a second plurality of user-  
6 selectable identifiers from the first plurality of user-selectable identifiers printed on the paper  
7 document, wherein the second plurality of user-selectable identifiers is a subset of the first  
8 plurality of user-selectable identifiers;  
9                   code for responsive to receiving the first signal, identifying portions of  
10 multimedia information stored by the multimedia document corresponding to the second  
11 plurality of user-selectable identifiers; and  
12                   code for outputting the portions of the multimedia information corresponding  
13 to the second plurality of user-selectable identifiers using an output device.

1                   43.     The computer program product of claim 42 wherein the code for  
2 identifying portions of multimedia information stored by the multimedia document  
3 corresponding to the second plurality of user-selectable identifiers comprises:  
4                   for each user-selectable identifier in the second plurality of user-selectable  
5 identifiers:  
6                             code for determining a first time and a second time corresponding to  
7 the user-selectable identifier; and  
8                             code for including multimedia information stored by the multimedia  
9 document occurring between the first time and the second time corresponding to the user-  
10 selectable identifier in the portions of multimedia information corresponding to the second  
11 plurality of user-selectable identifiers.

1                   44.     A computer program product stored on a computer-readable storage  
2 medium for retrieving multimedia information using a first paper document and a second  
3 paper document, wherein one or more user-selectable identifiers are printed on the first paper  
4 document and one or more user-selectable identifiers are printed on the second paper  
5 document, the computer program product comprising:  
6                   code for receiving a signal indicating selection of a first user-selectable  
7 identifier from the one or more user-selectable identifiers printed on the first paper document,  
8 and indicating selection of a second user-selectable identifier from the one or more user-  
9 selectable identifiers printed on the second paper document;  
10                   code for identifying a portion of multimedia information corresponding to the  
11 first user-selectable identifier from multimedia information stored by a first multimedia  
12 document;

13                   code for identifying a portion of multimedia information corresponding to the  
14 second user-selectable identifier from multimedia information stored by a second multimedia  
15 document; and  
16                   code for outputting the portion of multimedia information stored by the first  
17 multimedia document corresponding to the first user-selectable identifier and the portion of  
18 multimedia information stored by the second multimedia document corresponding to the  
19 second user-selectable identifier using an output device.

1                   45.    The computer program product of claim 44 wherein:  
2                   the code for identifying the portion of multimedia information corresponding  
3 to the first user-selectable identifier from multimedia information stored by the first  
4 multimedia document comprises:  
5                   code for determining a first time and a second time associated with the  
6 first user-selectable identifier; and  
7                   code for including a portion of multimedia information stored by the  
8 first multimedia document occurring between the first time and the second time associated  
9 with the first user-selectable identifier in the portion of multimedia information  
10 corresponding to the first user-selectable identifier; and  
11                   the code for identifying the portion of multimedia information corresponding  
12 to the second user-selectable identifier from multimedia information stored by the second  
13 multimedia document comprises:  
14                   code for determining a first time and a second time associated with the  
15 second user-selectable identifier; and  
16                   code for including a portion of multimedia information stored by the  
17 second multimedia document occurring between the first time and the second time associated  
18 with the second user-selectable identifier in the portion of multimedia information  
19 corresponding to the second user-selectable identifier.